

NUSF 99.49

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March 12, 2019

Mr. Michael Hybl
Executive Director
Nebraska Public Service Commission
300 The Atrium, 1200 "N" Street
Lincoln, NE 68508C

RE: In the Matter of the Nebraska Public Service Commission, on its own Motion to administer the Universal Service Fund High-Cost Program: Windstream Nebraska, Inc. Broadband Grant Requests

Dear Mr. Hybl:

Windstream Nebraska, Inc. hereby submits the attached application for broadband funding from the Nebraska Universal Service Fund (NUSF) for a Fixed Wireless project to serve the Southern area of the Ashland RL02 Exchange. Specifically, Windstream proposes to place equipment at two sites, one remote Base Station approximately 5.8 miles south of the Ashland Central Office, and equipment at the Central Office. The Ashland remote Base Station will provide the broadband connection to the customers, and have wireless backhaul to the Ashland Central Office.. An electronic version of this filing has also been submitted to the NUSF Staff.

If you have any questions or require any additional information, please let me know.

Sincerely,

Julie Munroe

Enclosures

WINSTREAM NEBRASKA, INC.

NUSF-99 PRICE CAP APPLICATION – Ashland EXCHANGE RL02

Checklist Item No. 1:

A description of the proposed broadband project including download/upload speed capabilities which can be provided and a description of the proposed network infrastructure to be deployed. Minimum speed standards should be 4 mbps download and 1 mbps upload.

Windstream's Response:

Windstream submits the following project for the Commission's consideration of NUSF-99 broadband funding, to be constructed upon funding approval, using funding available from the 2017 funding allocation.

- Fixed Wireless to serve the Southern area of Ashland, NE ILEC Exchange (Partial funding requested)

The Central Office for Ashland is currently connected with interoffice fiber facilities. Customers within reach of the office are qualified for 4Mbps down / 1Mbps upload broadband or better (up to 100Mbps), depending on the copper loop length from the equipment. This project intends to address those customers in the Southern area of the exchange that have exceptionally long loop lengths and therefore have no or limited broadband availability (less than 25Mbps) by providing a Fixed Wireless solution.

- The project will place equipment at two sites, one remote Base Station approximately 5.8 miles south of the Ashland Central Office, and equipment at the Central Office.
- The Ashland remote Base Station will provide the broadband connection to the customers, and have wireless backhaul to the Ashland Central Office.

These network upgrades will enable a network capable of minimum speeds of 10Mbps download and 1Mbps upload for all impacted customers and depending upon the distance from the remote Base Station, the majority of customers will have speeds of 25Mbps and up to 100Mbps available.

Windstream projects the total deployment costs for this project is \$194,271, and Windstream is requesting Nebraska Universal Service Funding of \$98,278, the difference between the total project costs and the requested funding is because Windstream is not seeking funding for the areas funded by the FCC's Connect America Fund Phase 2 program. Windstream is requesting that the funding for this project be applied against the remaining 2017 funds allotted to Windstream.

Attached Checklist Item #6 provides a listing of the retail pricing for the broadband services Windstream will be offering in the proposed service areas. This price list is consistent with Windstream pricing for similar services in other Nebraska exchanges.

Checklist Item No. 7:

The company's commitment to offer broadband services to all households within the service area of the project for a minimum of five (5) years.

Windstream Response:

If approved for funding, Windstream commits to offer broadband service to all households within the service area of the project for a minimum of five (5) years.

Checklist Item No. 8:

An affidavit from the company attesting 1) (a) that the area of the proposed project is a CAF II eligible area and have not refused CAF II funding, or (b) that the area of the proposed project is ineligible for CAF II funding. 2) That the company has done its due diligence to verify that comparable broadband does not already exist in the area of the proposed project. 3) The truth and accuracy of all information included in the project filing.

Windstream Response:

The Affidavit of Brad Brannon is provided in Attached Checklist Item #8.

CHECK LIST #2 CENSUS BLOCKS - Ashland Exchange RL02

Criteria for Determining NUSF Eligibility for Census Blocks in Priority Order for Projects Using Fixed Wireless Technology:

- 1) If Census Block is CAF 2 - Not Eligible
- 2) If Census Block has Wireline Competitor with at least 10/1 broadband - Not Eligible
- 3) If Census Block Wireline Competitor is a Neighboring ILEC Sharing Service in the Census Block - Eligible
- 4) If Census Block has a Fixed Wireless Competitor with at least 10/1 Broadband but Does Not Provide Voice - Eligible
- 5) If Census Block has a Fixed Wireless Competitor that receives federal USF - Eligible
- 6) If proposal is for a wireline solution, then Fixed Wireless census blocks are counted - Eligible

Census Blocks	CAF 2 and Form 477 Status	Is Wireline Competitor a Neighboring ILEC?	Does Fixed Wireless Competitor Qualify as Competitor? *	NUSF Eligibility	Summary	# Census Blocks	%
310259658001022	CAF2			CAF2	CAF2	42	49%
310259658001023	CAF2			CAF2	NE BB Eligible	43	51%
310259658001025	CAF2			CAF2	Competition - FW	0	0%
310259658001056	CAF2			CAF2	Competition - Other	0	0%
310259658001059	CAF2			CAF2	Total	85	100%
310259658001060	CAF2			CAF2			
310259658001061	CAF2			CAF2	Eligible for Funding	43	50.6%
310259658001062	CAF2			CAF2			
310259658001065	CAF2			CAF2			
310259658001066	CAF2			CAF2			
310259658001067	CAF2			CAF2			
310259658001088	CAF2			CAF2			
310259658001112	CAF2			CAF2			
310259658001113	CAF2			CAF2			
310259658001115	CAF2			CAF2			
310259658001123	CAF2			CAF2			
310259658002163	CAF2			CAF2			
310259658002184	CAF2			CAF2			
310259658002185	CAF2			CAF2			
310259658002186	CAF2			CAF2			
310259658002187	CAF2			CAF2			
310259658002203	CAF2			CAF2			
310259658002228	CAF2			CAF2			
310259658002230	CAF2			CAF2			
310259658002245	CAF2			CAF2			
310259658003058	CAF2			CAF2			
310259658003059	CAF2			CAF2			
310259658003074	CAF2			CAF2			
310259658003077	CAF2			CAF2			
310259658003085	CAF2			CAF2			
310259658003086	CAF2			CAF2			
310259658003088	CAF2			CAF2			
310259658003091	CAF2			CAF2			
310259658003092	CAF2			CAF2			
310259658003094	CAF2			CAF2			
310259658003095	CAF2			CAF2			
310259658003097	CAF2			CAF2			
310259658003098	CAF2			CAF2			
310259658003100	CAF2			CAF2			
310259658003102	CAF2			CAF2			
310259658003107	CAF2			CAF2			
310259658003206	CAF2			CAF2			

Check List #3 Subscribers - Ashland Exchange RL02

Exchange	# Locations in Deployment Area
Ashland	104

Estimated Broadband Take Rate 50%

New Broadband Subscribers 52

50% Take Rate assumption is likely low since broadband is generally not available due to long loop lengths

Checklist Item #4 Estimated Schedule – Ashland Exchange RL02

Proposed Schedule:

Engineering design & approval	30 Calendar Days
Site Acquisition, permitting & material acquisition	90 to 120 Calendar Days
Equipment deployment, testing, and turn-up	30 Calendar Days

Notes:

If multiple sites are involved, work activities will be conducted concurrently, so that total time for the project is 150 to 180 days

Schedule is subject to seasonal limitations regarding when construction can commence or be completed.

Check List #5 Budget & Depreciation - Ashland Exchange RL02

Budget

Central Office site

Item	Labor	Material	Item Total	Quantity	Mat Total	Grand Total	Notes
Site Survey	\$1,000	\$0	\$1,000	1	\$0	\$1,000	
Desktop Planning	\$18	\$0	\$18	0	\$0	\$0	P2P pole only
Site Engineering	\$3,300	\$0	\$3,300	1	\$0	\$3,300	
PtP FCC License	\$1,250	\$0	\$1,250	1	\$0	\$1,250	FCC Coordination Point to Point (PtP) License Fee
110 ft wooden pole	\$0	\$23,800	\$23,800	1	\$23,800	\$23,800	To be placed at CO.
Base Station	\$4,433	\$5,513	\$9,946	0	\$0	\$0	P2P pole only
PtP Radio	\$7,125	\$8,825	\$15,950	1	\$8,825	\$15,950	Assuming 18 GHz radio - Link Budget Calculation pending
Site Work	\$2,250	\$2,500	\$4,750	1	\$2,500	\$4,750	Placeholder for fiber + electricity work + pole mounted cabinet
Cabinet/PoE Switch	\$0	\$7,500	\$7,500	1	\$7,500	\$7,500	Switch
Total					\$42,625	\$57,550	

Remote Sites

Item	Labor	Material	Item Total	Quantity	Mat Total	Grand Total	Notes
Site Survey	\$1,000	\$0	\$1,000	1	\$0	\$1,000	
Fiber Buildout	\$0	\$0	\$0	0	\$0	\$0	
Desktop Planning	\$18	\$0	\$18	122	\$0	\$2,196	
Site Engineering	\$3,300	\$0	\$3,300	1	\$0	\$3,300	
Site Acquisition	\$10,183	\$0	\$10,183	1	\$0	\$10,183	
Power Make Ready	\$18,000	\$0	\$18,000	1	\$0	\$18,000	
120' AGL Steel Pole	\$24,250	\$20,500	\$44,750	1	\$20,500	\$44,750	
Base Station	\$4,433	\$5,513	\$9,946	4	\$22,054	\$39,784	5 GHz PtMP radio
PtP Radio	\$7,125	\$8,825	\$15,950	0	\$0	\$0	Assuming 18 GHz radio - Link Budget Calculation pending
Site Work	\$2,750	\$2,500	\$5,250	1	\$2,500	\$5,250	Placeholder for fiber + electricity work + pole mounted cabinet
Cabinet/PoE Switch	\$0	\$7,500	\$7,500	1	\$7,500	\$7,500	Pole-mounted
Total					\$52,554	\$131,962	

Total **\$95,179** **\$189,512**

Tax \$95,179 5.00% \$4,759

Grand Total **\$194,271**

Excluded

ROW \$0
IDC \$95,179 5.00% \$4,759

Total Project Costs **\$194,271**

% of Eligible Census Blocks from Checklist #2 **50.6%**

Requested Funding Amount **\$98,278**

Depreciation Lives

Life in Years

Fixed Wireless Assets 45
Poles 33

Check List #6 Pricing - Ashland Exchange RL02

Price for Internet Only (HSI Simple or Solo Internet)				
Speed		Standard Price	Current Promo	Net Price
Up to 25Mb		\$45	\$10 off for 12 months	\$35
50Mb		\$45	\$10 off for 12 months	\$35
100Mb		\$45	\$10 off for 12 months	\$35
1 Gbps		\$75	\$20 off for 12 months	\$55

Price for Internet + Bundle Phone Adder				
Speed		Standard Price	Current Promo	Net Price
Up to 25Mb		\$65	\$10 off for 12 months	\$55
50Mb		\$65	\$10 off for 12 months	\$55
100Mb		\$65	\$10 off for 12 months	\$55
1 Gbps		\$95	\$20 off for 12 months	\$75

\$50 Activation Fee and Free Professional Installation

AFFIDAVIT OF BRAD BRANNON

I, Brad Brannon, being first duly sworn upon oath, state as follows:

1. I am currently employed by Windstream as the Vice President Consumer & Small Business - Business Intelligence. In that capacity, I am personally familiar with the company's network structure in Nebraska.
2. I have reviewed the foregoing project filing and certify that (a) the areas of the proposed project are CAF II eligible areas and have not refused CAF II funding, or the areas of the proposed project are ineligible for CAF II funding; (b) Windstream has done its due diligence to verify that comparable broadband does not already exist in the areas of the proposed project that we are requesting funding; and (c) all information included in the project filing is true and accurate to the best of my knowledge and belief.



Brad Brannon


ACKNOWLEDGMENT

STATE OF ARKANSAS)

:ss

COUNTY OF PULASKI

Subscribed, sworn to and acknowledged before me on this 5 day of April 2018
by Brad Brannon



Notary Public

